

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 October 2002 (24.10.2002)

PCT

(10) International Publication Number
WO 02/083015 A1

(51) International Patent Classification²: **A61B 17/86**

(21) International Application Number: **PCT/US02/11038**

(22) International Filing Date: 10 April 2002 (10.04.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/836,811 16 April 2001 (16.04.2001) US

(71) Applicant (for all designated States except US): **SMITH & NEPHEW INC.** [US/US]; 1450 Brooks Road, Memphis, TN 38116 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FERRANTE, Joseph** [US/US]; 5883 Steeplechase Drive, Bartlett, TN 38134 (US). **BLACK, Angie** [US/US]; 3554 Pickens Store Road, Mason, TN 38049 (US).

(74) Agent: **PRATT, John, S.**; Kilpatrick Stockton LLP, Suite 2800, 1100 Peachtree Street, Atlanta, GA 30309-4530 (US).

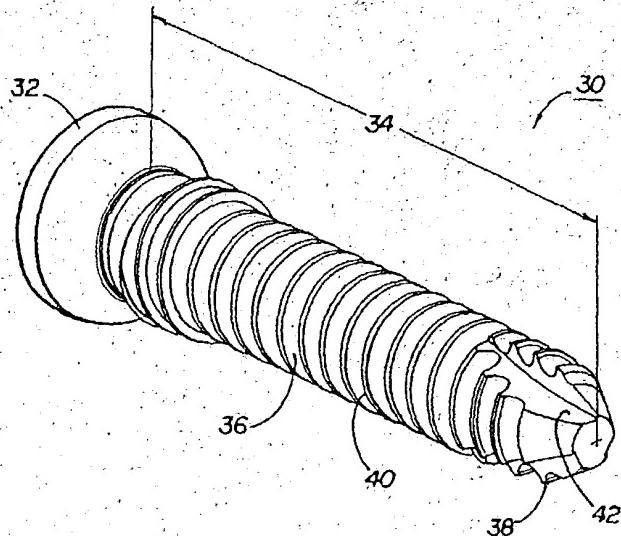
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
with international search report

[Continued on next page]

(54) Title: ORTHOPEDIC SCREW AND METHOD OF USE



(57) Abstract: An orthopedic screw with a screw head, a screw body with distal tip, a shank with an enlarged diameter at the trailing end and a thread extending radially outward from the shank, and an internal capture surface; a system for use in an orthopedic surgical procedure including the screw, and orthopedic implant adapted to be secured in a patient with the screw, and a driver capable of engaging the internal capture of the screw; and methods of using the screw, the system, and the screw and driver assembly.

WO 02/083015 A1

Orthopedic screw and m thod of use

Patent Number: US6565573

Publication date: 2003-05-20

Inventor(s): BLACK ANGIE (US); FERRANTE JOSEPH (US)

Applicant(s): SMITH & NEPHEW INC (US)

Requested Patent: WO02083015

Application Number: US20010836811 20010416

Priority Number(s): US20010836811 20010416

IPC Classification: A61B17/56

EC Classification: A61B17/86B2, A61B17/88S

Equivalents:

Abstract

Data supplied from the esp@cenet database - I2